# BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED

## ENQUIRY / WORK INDENT NO. :
## BESCOM/2024-25/EL/WORK_INDENT177 CALL-2

# Supplying and fixing of IN and OUT Name Plates to be fixed on DTCs and change-over points in Indiranagar and Vidhana Soudha Divisions of BESCOM, for a period of two years on Fixed Price Contract

# THIS BID DOCUMENT CONTAINS FOLLOWING VOLUMES:

**VOLUME- I** **COMMERCIAL REQUIREMENTS**

| | | | |
|---|---|---|---|
| 1. | Section – I | Invitation For Bids | - IFB |
| 2. | Section – II | Instruction to Bidders | - ITB |
| 3. | Section – III | General Terms and Conditions of the Contract | - GCC |
| 4. | Section –IV | ANNEXURES | -ANNEX |

**OTHER VOLUMES CONTAIN THE FOLLOWING:**

**VOLUME-II** **TECHNICAL SPECIFICATIONS & SCOPE OF WORK**

## VOLUME – II

# TECHNICAL SPECIFICATION & SCOPE OF WORK

**BANGALORE ELECTRICITY SUPPLY COMPANY LIMITED**

**VOLUME II**

**TECHNICAL SPECIFICATION & SCOPE OF WORK**

# Supplying and fixing of IN and OUT Name Plates to be fixed on DTCs and change-over points in Indiranagar and Vidhana Soudha Divisions of BESCOM, for a period of two years on Fixed Price Contract.

## 1. Name Plate:

Aluminum plate of 3mm thickness of size 360 mm x 150 mm x 3mm.The aluminium plate shall be fixed to the 11 KV UG cable of various sizes (95/240/400 Sq mm) or poles ( in case of overhead lines).

The above plate shall be fixed to the 11 kV UG cable/poles with GI clamps at a height of **2.29** meters to **2.44** meters from the ground level.

## 2. GI Clamps:

The clamps should have minimum thickness of 2mm of size 260mm x 25mm x 2mm and having center distance of 200mm for holding 11kV UG cable.

The clamps should not have sharp edges which may damage the cables. The bolt size should be 8mm diameter and 25 mm length and full threaded for UG cable. The bolts, nuts and washers should be hot dip galvanized.

GI clamps having center distance of 200mm for holding 11 KV UG cable of various sizes (95/240/400 Sq mm) along with two washers, two Nuts for each bolt. For poles (in case of overhead lines) the bolts should be of length 250 mm and 8mm, half threaded fixed with two washers, two Nuts for each bolt for overhead lines.

## 3. Painting:

Applying 2 coats of good quality red oxide primer and 2 coats of good quality ivory colour enamel paint on the back of name plate.

4. **Lettering** :

Vinyl sticker with yellow background shall be fixed firmly on the front of the name plate and lettering with **dark** blue colour with details of letters as below:

| **INCOMING** |
|---|
| STATION: |
| FEEDER: |
| DTC/RMU/CSS: |

| **OUTGOING** |
|---|
| STATION: |
| FEEDER: |
| DTC/RMU/CSS: |

**Language: Kannada**
**Font : Nudi 16E**
**Letter Size:**
**Heading :**
**Details : 1¼, 1, ¾, ½ inches depending on the information to be printed**

**South Circle.**

**For an overhead line, the name plate has to be fixed to the pole using bolt and nuts for each circuit. For an underground cable, the name plate has to be fixed to the cable itself for each circuit.**

The contractor shall execute the above works under TOTAL TURNKEY BASIS, which involves broadly fabricating the name plate as per specification and fixing it at the correct spot as directed by the competent authority of BESCOM.

1.0 Any other items not specifically mentioned but which are essentially required for satisfactory performance & completeness of work shall be deemed to be included in the scope of specifications and works and the same shall be executed/carried out by the bidder at no extra cost to the BESCOM.

2.0 The whole of the works shall be executed in strict conformity with the contract documents and such explanatory detailed or modified drawings and

directions as may be furnished from time to time by the Engineer-in-charge for the guidance of the Contractor.

3.0 **Standards** unless otherwise stated, all equipment/ material to be supplied and used under this contract shall be new.

4.0 Void

5.0 **General Requirements:**

- Similar parts of any equipment supplied shall be interchangeable.
- The successful Bidder shall submit the sample as per the BESCOM sample and get approved from the General Manager Ele (Q,S&S), Corporate Office, BESCOM before taking up the work.
- If applicable, all equipment/materials shall be submitted for inspection by a duly authorized representative of the Engineer. Inspection may be made at any stage of manufacture, dispatch or at site at the option of the engineer and the equipment dispatched/ about to be dispatched, if found unsatisfactory as to workmanship or quality, the same is liable to be rejected. The successful bidder/Contractor shall grant free access to the places of manufacture to the authorized representative of the Engineer at all times when the works related to the manufacture are in progress.
- If applicable, Inspection and acceptance of any equipment/materials under the specifications by the Engineer or his authorized representative shall not relieve the Contractor of his obligations of furnishing/supplying the equipment in accordance with the specifications.
- If applicable, The BESCOM reserves the right of getting any field test conducted on completely assembled equipment at site.

6.0 The Contractor is fully responsible for the Equipment/Material until is handed over to the BESCOM in an operating condition after completion. The Contractor is responsible for the proper maintenance of equipment/material as well as protection of the same against theft, elements damages etc., while in his custody as well as after completion until the same is taken over by the BESCOM under due acknowledgment in writing.

7.0 **Acceptance of Supplies:**

All or any articles supplied against this contract will be subject to the inspection and approval of the Engineer-in-charge or any other officer deputed for the purpose.

8.0 **General guide lines for Works:**

Supplying and fixing of IN and OUT Name Plates to be fixed on DTCs and change-over points in Indiranagar and Vidhana Soudha Divisions of BESCOM, for a period of two years on Fixed Price Contract as per the technical specifications.

**General Manager, Ele.,**
**Q,S&S, BESCOM**

**"END OF VOLUME-II : TECH SPEC"**